WHAT IS CLAIMED IS:

- 1 1. A motor-driven pump adapted for being submersed in fluid comprising:
- 2 an electric motor disposed in a motor housing, the motor containing a rotating shaft 3 extending to and supporting an impeller;
- a motor cover fitted to the motor housing to enclose the motor, at least one of the motor housing and the motor cover being provided with a pour hole through which a nonconductive encapsulation material may be poured to encapsulate the motor;
- an impeller housing that surrounds the impeller and including a fluid inlet and a fluid discharge conduit for fluid flow; and
- a multistage seal disposed between the motor and the impeller that prevents fluid from contacting the motor.
- 1 2. The motor-driven pump of claim 1, wherein the motor cover is fitted on the motor housing by cooperating latch means.
- 1 3. The motor-driven pump of claim 1, wherein the non-conductive encapsulation material is an epoxy.
- 1 4. The motor-driven pump of claim 1, wherein an impeller cover is secured to 2 the impeller housing with an o-ring disposed therebetween to prevent fluid from leaking 3 out from within the interior of the impeller housing.
- 5. The motor-driven pump of claim 1, wherein a void space is provided between the impeller and the seal to reduce fluid pressure build-up on the seal.
- 1 6. The motor-driven pump of claim 1, wherein the seal comprises a self-2 aligning seal.

- 1 7. The motor driven pump of claim 6 wherein: 2 the self-aligning seal comprises a flexible sheet-like member including an 3 undersize bore and fitted over the shaft between the impeller and the motor. 1 8. The motor-driven pump of claim 6, wherein the seal comprises a lip seal 2 disposed between the self-aligning seal and the motor. 9. 1 The motor-driven pump of claim 8, wherein the seal further comprises a 2 moisture barrier disposed between the lip seal and the motor. 1 10. The motor-driven pump of claim 9, wherein: 2 the moisture barrier comprises grease packing disposed in a cavity formed in a 3 bracket member of the motor. 1 11. The motor-driven pump of claim 1 further comprising electrical grounding 2 circuit that electrically neutralizes the environment in which the motor-driven pump 3 operates. 1 12. The motor-driven pump of claim 11, wherein the grounding circuit 2 comprises a first ground wire attached to the motor and to a wall of the motor housing and 3 a second ground wire connected on one end of a wall of the motor housing and spaced 4 from the connection of the first ground wire to the motor housing.
- 1 13. The motor-driven pump of claim 11, wherein the motor housing is stainless 2 steel and resistant to fluids that are highly corrosive.

2 a polymer-encapsulated motor encased in a motor housing, the motor containing a 3 rotating shaft extending to and supporting an impeller; 4 a motor cover fitted to the motor housing to enclose the motor, the motor cover 5 being provided with a pour hole through which polymer encapsulation material may be 6 poured to encapsulate the motor; 7 an impeller housing that surrounds the impeller with an inlet and discharge outlet for fluid flow; and 8 9 a multistage seal disposed between the motor cover and the impeller that prevents 10 fluid from contacting the motor, the multistage seal comprising a self-aligning first lip seal, a second lip seal journalled by a member forming part of the motor and a grease 11 12 packing moisture barrier. 1 15. A motor-driven pump adapted for being submersed in fluid comprising: 2 an electric motor disposed in a motor housing, the motor containing a rotating shaft 3 extending to and supporting an impeller; 4 a motor cover fitted to the motor housing to enclose the motor, at least one of the 5 motor housing and the motor cover being provided with a pour hole through which a non-6 conductive encapsulation material may be poured to encapsulate the motor; 7 an impeller housing that surrounds the impeller and including a fluid inlet and a 8 fluid discharge conduit for fluid flow; 9 a multistage seal disposed between the motor and the impeller that prevents fluid 10 from contacting the motor, the multistage seal comprising a self-aligning first lip seal, a 11 second lip seal and a grease packing moisture barrier; and 12 an electrical grounding circuit that electrically neutralizes the environment in 13 which the motor-driven pump operates, wherein the grounding circuit comprises a first 14 ground wire attached to the motor and to a wall of the motor housing and a second ground

A motor-driven pump capable of being submersed in fluid comprising:

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wire connected on one end of a wall of the motor housing and spaced from the connection

of the first ground wire to the motor housing.